

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
**MERIDIAN OIL**

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
925' FSL, 1630' FWL, Sec.14, T-29-N, R-10-W, NMPM

5. Lease Number  
SF-076958

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Hare #20

9. API Well No.  
30-045-08231

10. Field and Pool  
Basin Dakota

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other - Bradenhead repair

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead of the subject well according to the attached procedure and wellbore diagram.

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] (VGW5) Title Regulatory Administrator Date 5/2/96

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

Date **APPROVED**

CONDITION OF APPROVAL, if any:

MAY 06 1996

[Signature]  
DISTRICT MANAGER

NMOC

## WORKOVER PROCEDURE - BRADENHEAD REPAIR

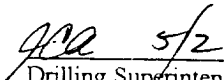
Hare #20  
Dakota  
Sec. 14, T29N, R10W  
San Juan Co., New Mexico  
DPNO 27245

1. Comply to all NMOC, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location. **Notify MOI Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims/Wims. As much time as possible to the pump time is needed for the Agency to be able to show up for the cement job.**
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 1% KCl water.
3. Blow down tubing (206 jts, 2 3/8", 4.7#) to atmospheric tank. Control well with 1% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine or WSI for inspection.
4. RU wireline unit. Check tubing for piston equipment or other obstructions. TIH, tag bottom. Record depth. TOO H w/ 2-3/8" tubing. Visually inspect tubing, and replace joints that are in bad condition. Note any buildup of scale, and notify Operations Engineer.
5. TIH w/3-7/8" bit and 4-1/2", 10.5# casing scraper to below perms. TOO H w/bit and scraper. PU 4 1/2" RBP and TIH. Set RBP at 6375'. Roll hole w/1% KCl water. Pressure test casing to 1000 psig. Spot one sack of sand on top of RBP. TOO H.
6. RU wireline unit. Run CBL (with 1000 psig pressure) from DV tool at 2192' to determine TOC behind 4 1/2" casing. Estimated TOC is 1787'. If CBL shows TOC below Fruitland, perforate 4 squeeze holes as close to TOC as possible. If circulation to surface is not established, a block squeeze will be performed to provide isolation between the Fruitland and Kirtland formations. If CBL shows TOC above Fruitland, perforate 4 squeeze holes at 1039' (50' below Kirtland) or as close to TOC as possible if TOC is above Kirtland.
7. PU 4 1/2" fullbore packer and set 200' above squeeze holes. Establish rate into perforations with bradenhead valve open. Max pressure 1000 psig. Mix and pump cement. (If cement circulates to surface, go immediately to displacement.) Displace cement to packer. Squeeze cement into perforations. Hold squeeze pressure and WOC 12 hours (overnite).
8. TOH w/packer. TIH with 3 7/8" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
9. TIH with casing scraper to below squeeze holes. TOH. TIH with retrieving tool and retrieve RBP from 4 1/2" casing. POOH and LD RBP.
10. TIH with production tubing (seating nipple with pump-out plug one joint off bottom). CO to PBTD w/air. Land tubing at 6595'. ND BOP's and NU wellhead. Pump plug from tubing. Obtain final gauge. Release rig.

Recommend:

\_\_\_\_\_  
Operations Engineer

Approve:

  
\_\_\_\_\_  
Drilling Superintendent

Contacts: Operations Engineer

Gaye White

326-9875

# Hare #20

Current -- 4-25-96

DPNO: 27245

Dakota

925' FSL, 1630' FWL

Unit N, Sec. 14, T29N, R10W, San Juan County, NM

Latitude / Longitude: 107.857178 - 36.721375

Spud: 7/3/62  
Completed: 8/29/62  
Elevation: 5663' (DF)  
Logs: IE, FDL

Ojo Alamo @ 894'  
Kirtland @ 989'

Fruitland @ 1711'

Pictured Cliffs @ 2031'  
Lewis @ 2130'

Mesaverde @ 3705'

Dakota @ 6415'

Morrison @ 6610'

12-1/4" Hole

8-5/8", 24#, J55 csg. set @ 289'  
Cement w/200 sxs

TOC @ 1787' (Calc 75% Effic.)

DV tool @ 2192'

2-3/8", 4.7#, J55 EUE tbg.(206 jts.) set @ 6528'

TOC @ 5683' (Calc 75% Effic.)

Perfs @ 6474'-6479', 6494'-6499', 6529'-6534', 6551'-6595'  
Frac. w/80,000# 20/40 sd, 80,000 gl. wtr w/1%CaCl2.

4-1/2", 10.5#, J55 csg. set @ 6802'  
1st Stage: 140 sx 4% gel, followed by 100 sx .96 Latex  
2nd Stage: 100 sx 4% gel.

7-7/8" Hole (?)

TD @ 6802'

## Initial Potential:

Initial AOF: 3149 Mcf/d 09/11/62  
Initial SITP: 2113 Psig 08/25/62  
Last Available: 544 Psig 04/15/93

## Production History: Gas

Well Cum 3.7 Bcf  
Production as of 2/19/96: 115 Mcf/d

## Oil

14.4 Mbo  
19 bo

## Ownership:

GW: 73.437500%  
NRI: 62.406250%  
SJB: 39.843750%

## Pipeline:

EPNG